ISX Modular Power Distribution Unit

1. SYSTEM MAINS SUPPLY RATING

Mains voltage :	3/N/PE–400V/230V, 47–63Hz
Control Voltage :	24V at 50Hz
Short–circuit current Icc :	10 kA
Feed :	Single

2. SYSTEM EARTHING

The system earthing is TN–S with L1,L2,L3,N,PE at both inlets and outlets

3. STANDARDS

The ISX PDU is built according to : IEC/EN60950

4. ENVIRONMENTS

The assembly is made for an ambient temperature of : ▨ Max: +40°C

5. ENCLOSURE

The enclosure of the assembly is :	IP20 and Form 1
The assembly material is :	Steel with Surface coating

6. POSITIONING

The assembly is made for indoor installation on floor

7. DIMENSIONS AND WEIGHTS

Height :	2002 mm
Width :	300 mm
Depth :	1072 mm
Weight :	160 kg

8. CABLE ENTRIES

Inlets:

▨ Top ▨ Bottom ☐ Sides

Outlets:

▨ Top ▨ Bottom ☐ Sides

9. CONNECTIONS

Power Circuits :

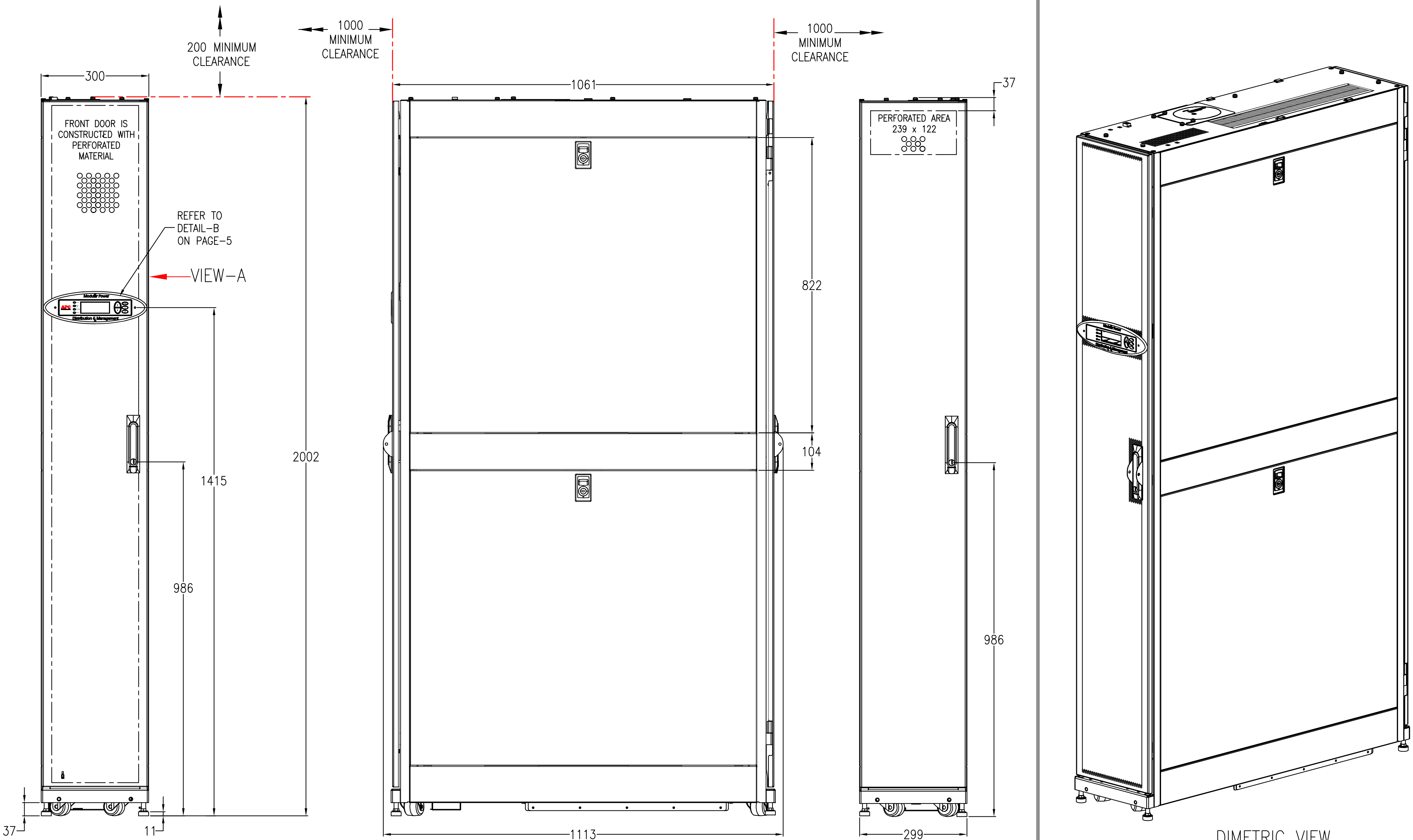
Input	Output
▨	▨ Component terminals
☐	☐ Busbar

Control Circuits :

▨ Terminals

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TITLE: ISX MODULAR POWER DISTRIBUTION UNIT Input: 400A, 3PH–400V Output: 277kW 400A 400/230V 72 POLE SPECIFICATIONS	DWG NO: PDPM277H–SP		REV. 1
	DRAWN: BALAMURUGAN	13–AUG–08	ANGLE OF PROJECTION
	ENGINEER: S.LEE	29–AUG–08	
PROJECT: SUBMITTAL DRAWINGS — SHEET 1 OF 7	APPROVED: C.LARSEN/S.WAGH	29–AUG–08	N.A



FRONT VIEW

VIEW-A

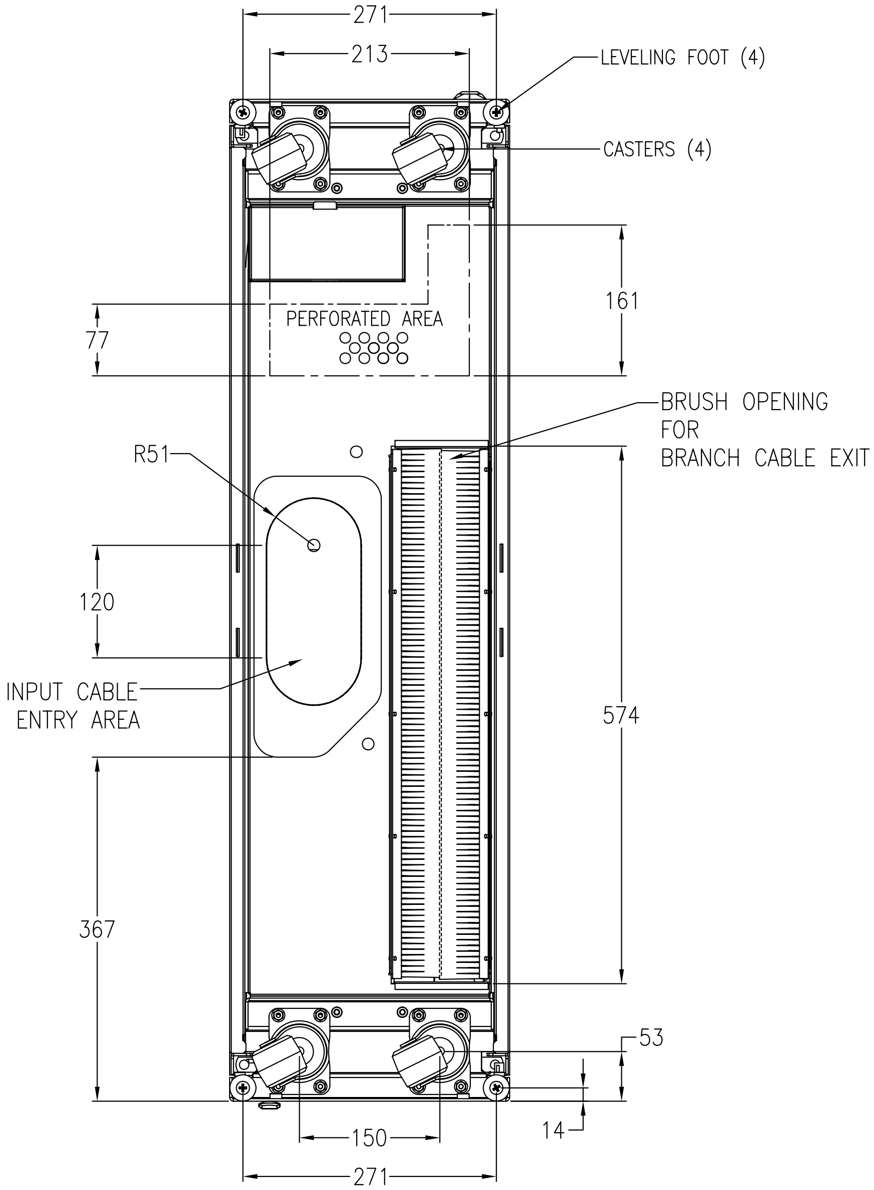
REAR VIEW

DIMETRIC VIEW

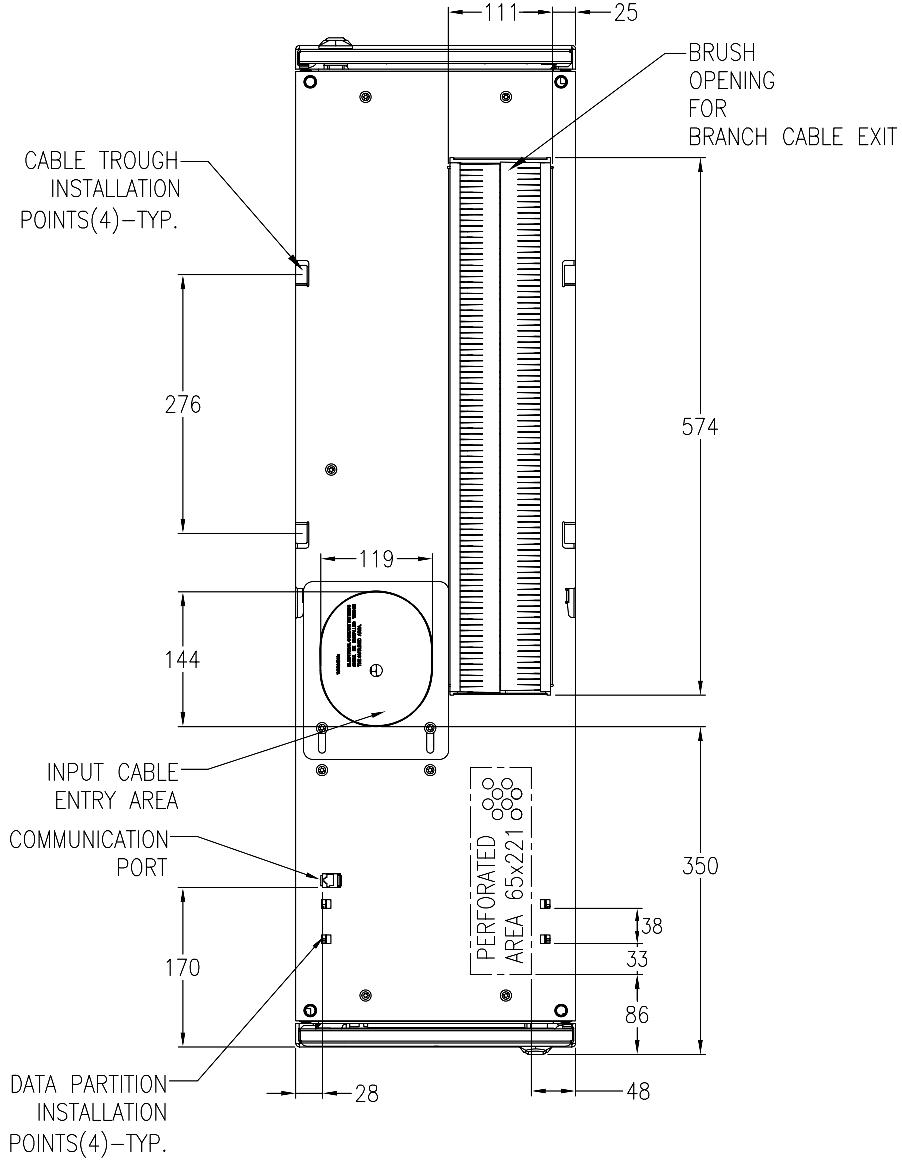
NOTES:
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. CABLE ENTRY IS FROM TOP OR BOTTOM OF UNIT.
5. FRONT, AND REAR ACCESS ARE REQUIRED FOR SERVICE.
6. WEIGHT OF THE UNIT IS 160 kg WITHOUT POWER DISTRIBUTION MODULES.

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TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH-400V Output: 277kW, 400A, 400/230V 72 POLE MAIN MECHANICAL	DWG NO: PDPM277H-MM1		REV. 1
	DRAWN: BALAMURUGAN	13-AUG-08	FIRST
	ENGINEER: S.LEE	29-AUG-08	ANGLE
PROJECT: SUBMITTAL DRAWINGS — SHEET 2 OF 7	APPROVED: C.LARSEN/S.WAGH	29-AUG-08	PROJECTION



BOTTOM VIEW

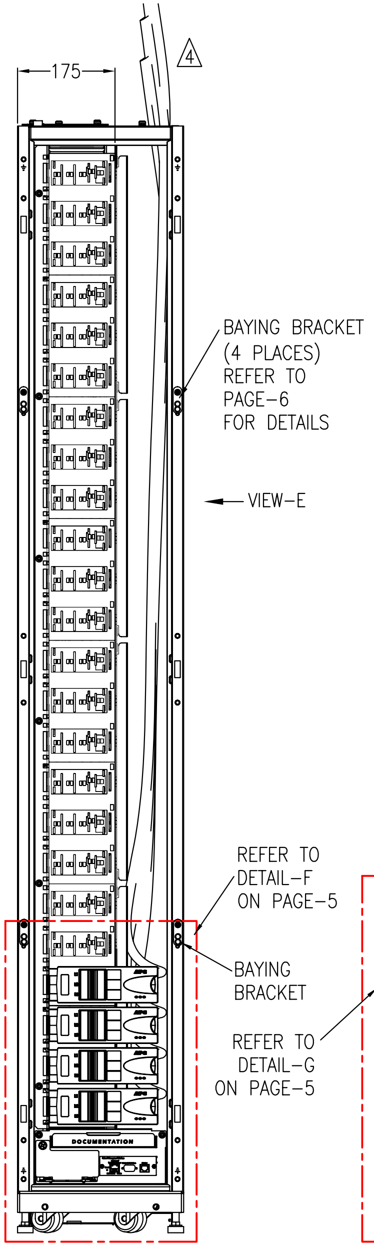


TOP VIEW

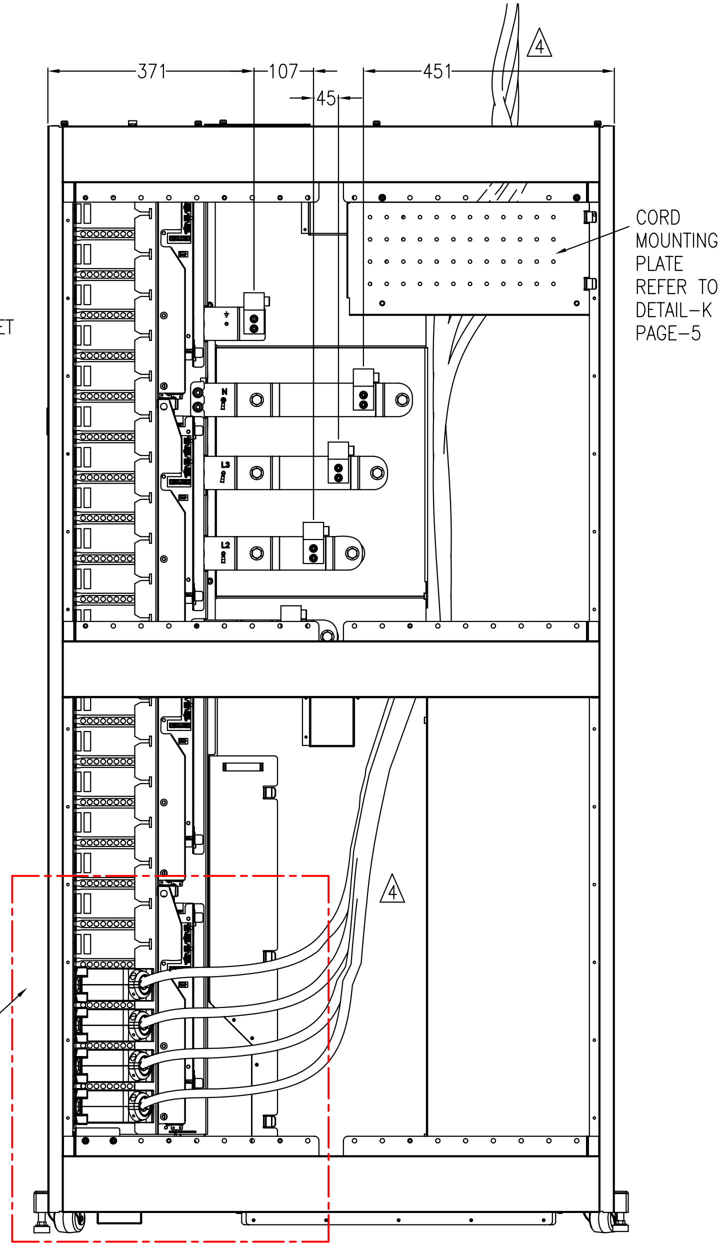
NOTES:
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. CABLE ENTRY IS FROM TOP OR BOTTOM OF UNIT.

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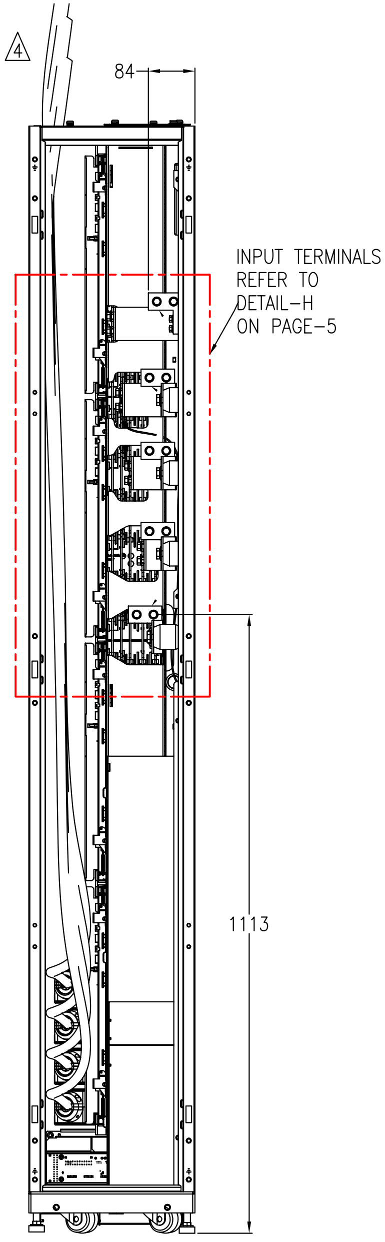
TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH–400V Output: 277kW, 400A, 400/230V 72 POLE TOP AND BOTTOM VIEWS	DWG NO: PDPM277H–MM2		REV. 1
	DRAWN: BALAMURUGAN	13–AUG–08	FIRST
	ENGINEER: S.LEE	29–AUG–08	ANGLE
PROJECT: SUBMITTAL DRAWINGS — SHEET 3 OF 7	APPROVED: C.LARSEN/S.WAGH	29–AUG–08	PROJECTION



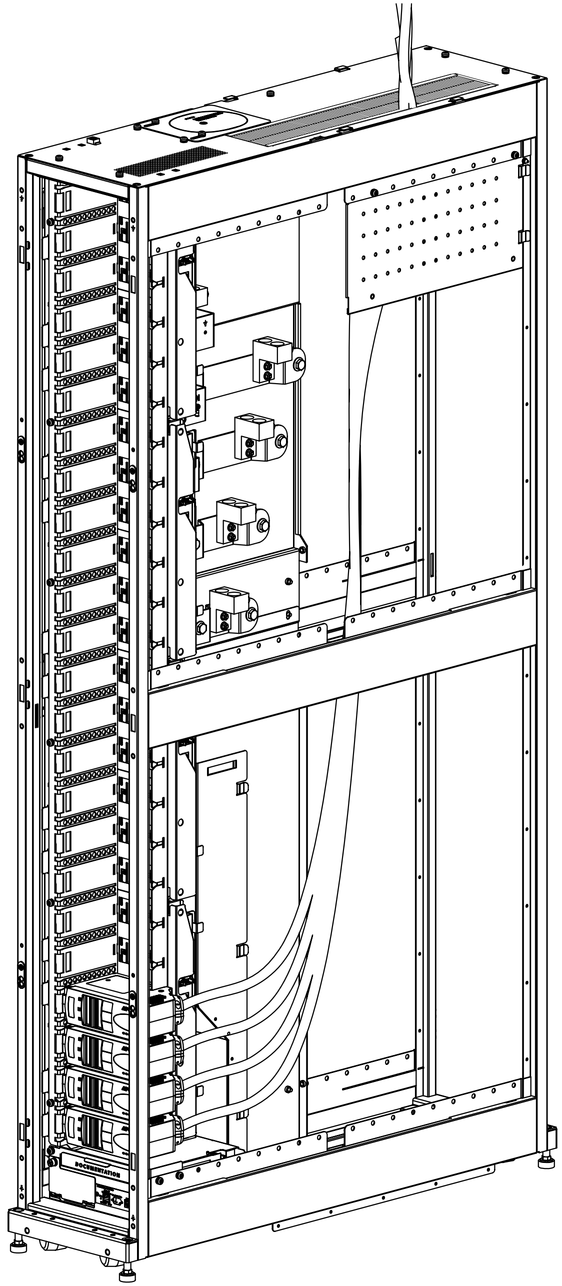
INTERNAL FRONT VIEW



VIEW-E



INTERNAL REAR VIEW



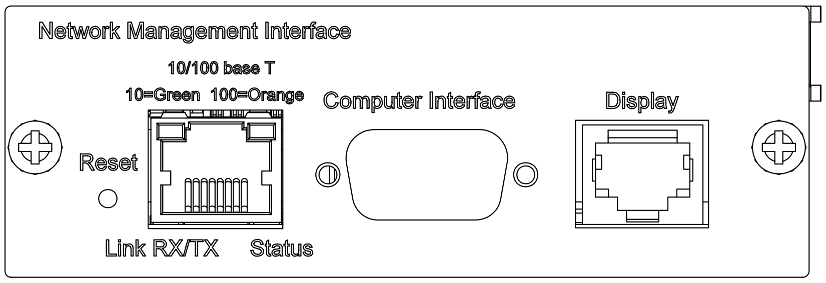
INTERNAL DIMETRIC VIEW
(ALL PANELS EXCEPT TOP, BOTTOM REMOVED)

NOTES:

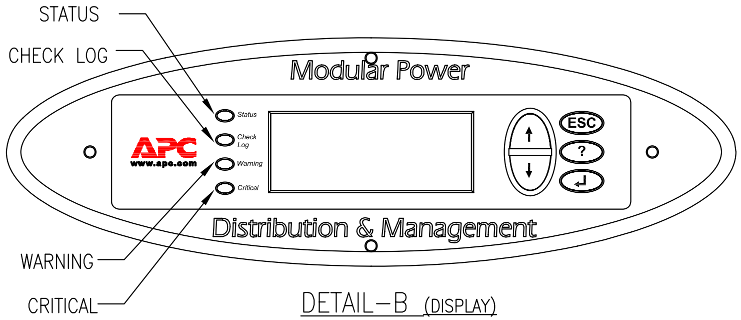
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. (△) ALL POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT APC.
5. CONNECTION DETAILS SHOWN ARE TYPICAL. REFER TO SLD FOR DETAILS.
6. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR CLARITY.

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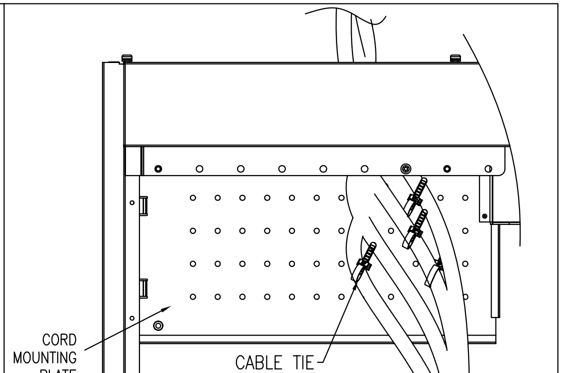
TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH-400V Output: 277kW, 400A, 400/230V 72 POLE INTERNAL VIEW, CONNECTION DETAILS	DWG NO: PDPM277H-ME1		REV. 1
	DRAWN: BALAMURUGAN	13-AUG-08	FIRST
	ENGINEER: S.LEE	29-AUG-08	ANGLE
PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 7	APPROVED: C.LARSEN/S.WAGH	29-AUG-08	PROJECTION



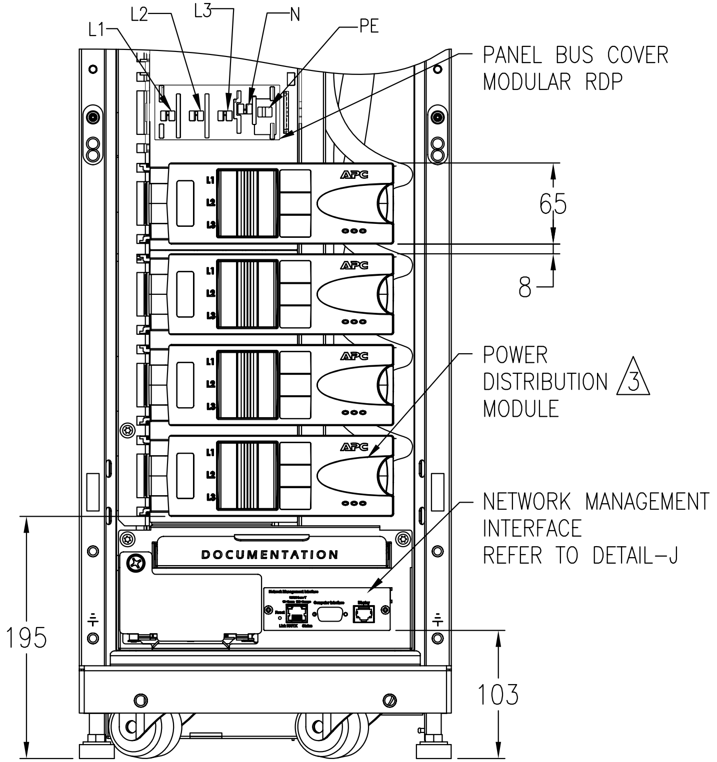
DETAIL–J (COMMUNICATION INTERFACE)



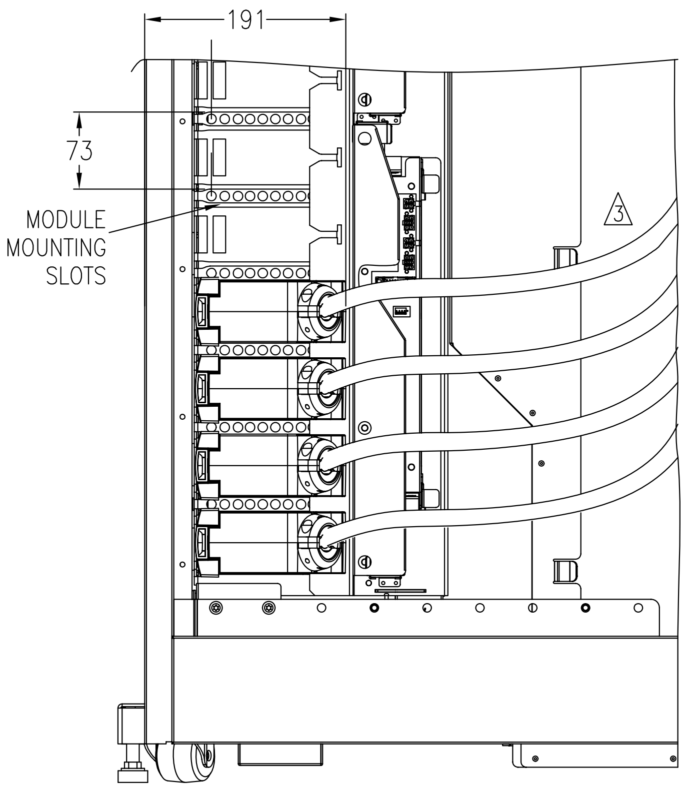
DETAIL–B (DISPLAY)



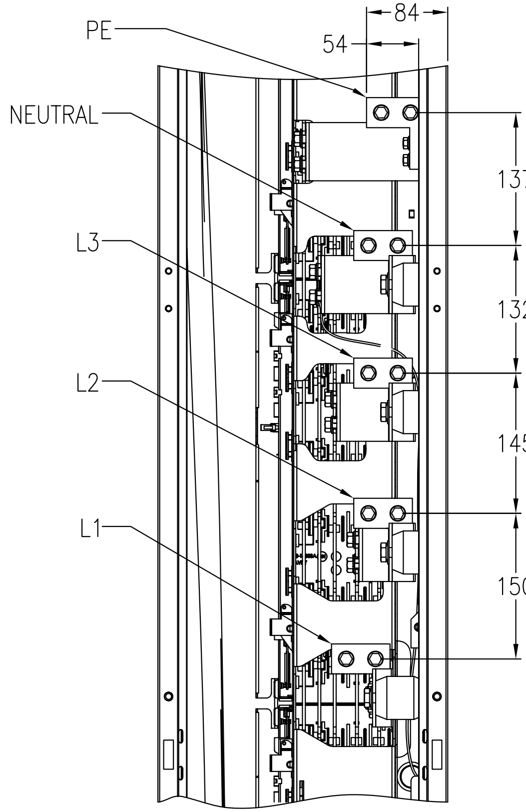
DETAIL–K
(CORD MOUNTING PLATE)



DETAIL–F



DETAIL–G

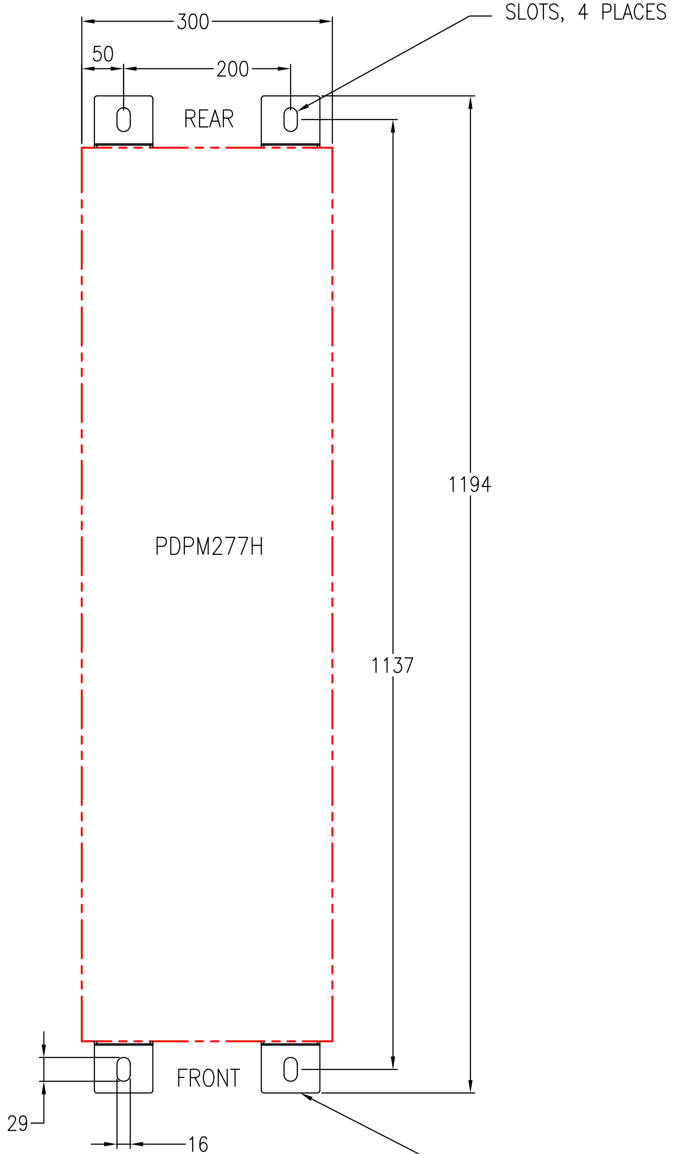


DETAIL–H (INPUT TERMINAL DETAILS)

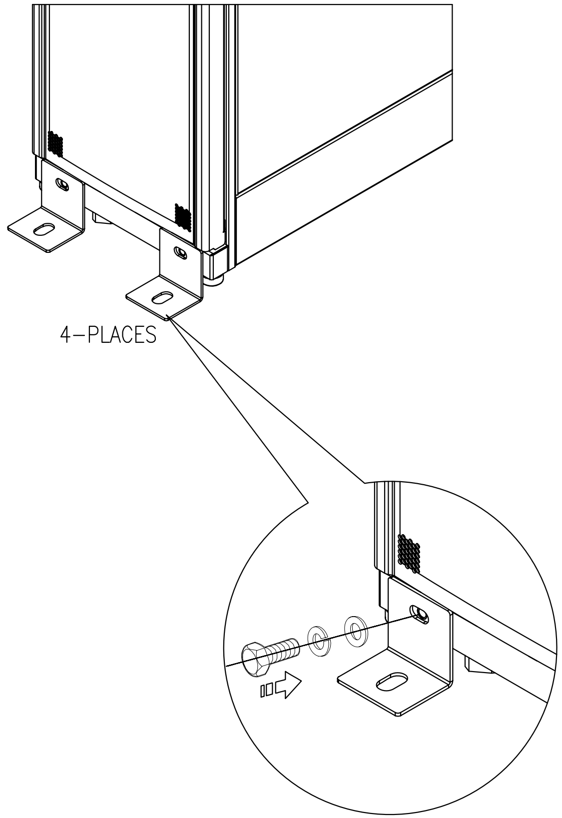
NOTES:
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.
△3. ALL POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT APC.

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TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH–400V Output: 277kW, 400A, 400/230V 72 POLE USER INTERFACE & INTERNAL DETAILS	DWG NO:	PDPM277H–ME2		REV. 1
	DRAWN:	BALAMURUGAN	13–AUG–08	ANGLE OF PROJECTION
	ENGINEER:	S.LEE	29–AUG–08	
PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 7	APPROVED:	C.LARSEN/S.WAGH	29–AUG–08	N.A



TOP VIEW
(BOLT DOWN BRACKETS
MOUNTING HOLE LOCATIONS)



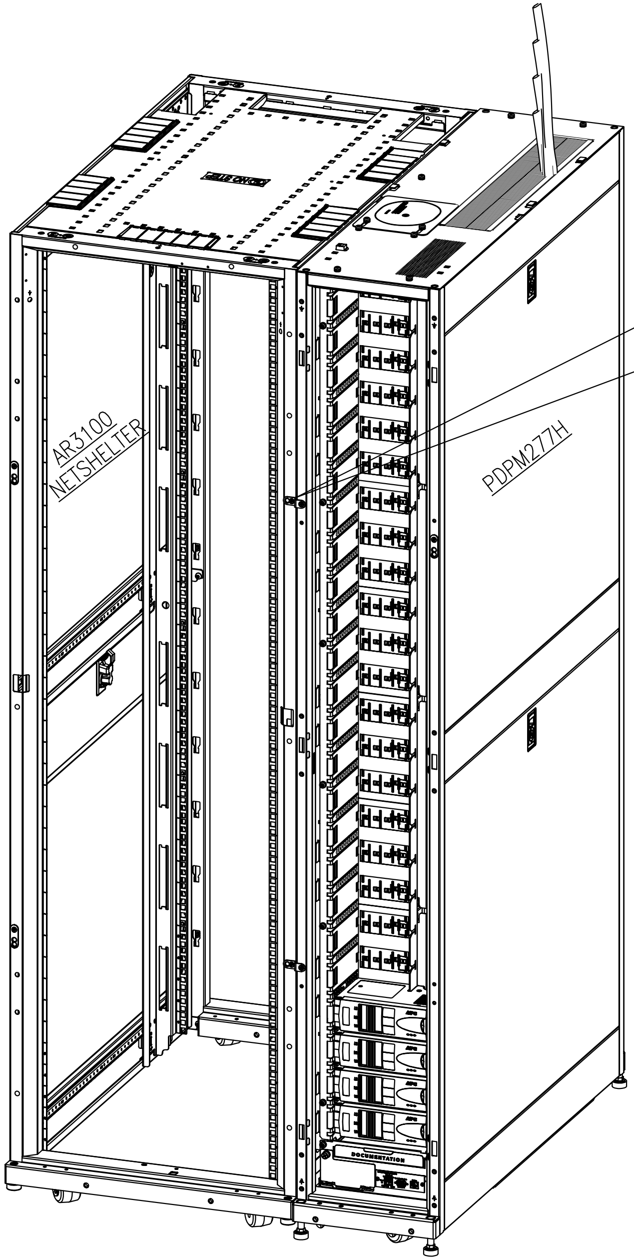
ISOMETRIC VIEW
(BOLT DOWN BRACKETS
MOUNTING DETAIL)

NOTES:

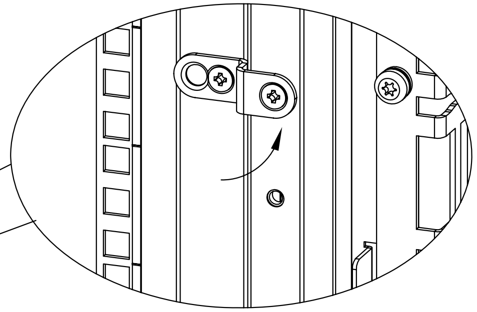
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. TO STABILIZE THE ENCLOSURE (IF IT IS NOT JOINED WITH ANOTHER COMPONENT) USE THE INCLUDED AR7701 BOLT–DOWN KIT. ATTACH THE BRACKETS TO THE UNIT AS SHOWN. USE CODE COMPLIANT FASTENERS TO SECURE THE UNIT TO THE FLOOR.
3. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.

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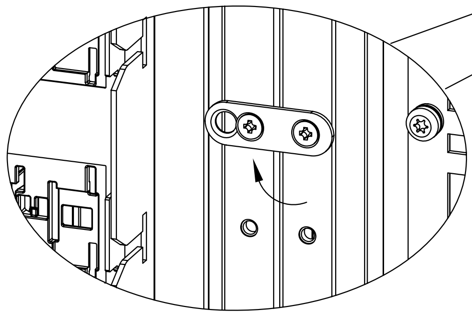
TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH–400V Output: 277kW, 400A, 400/230V 72 POLE ANCHORING DETAILS	DWG NO: PDPM277H–AN			REV. 0
	DRAWN:	BALAMURUGAN	13–AUG–08	ANGLE OF PROJECTION
	ENGINEER:	S.LEE	29–AUG–08	
PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 7	APPROVED:	C.LARSEN/S.WAGH	29–AUG–08	N.A



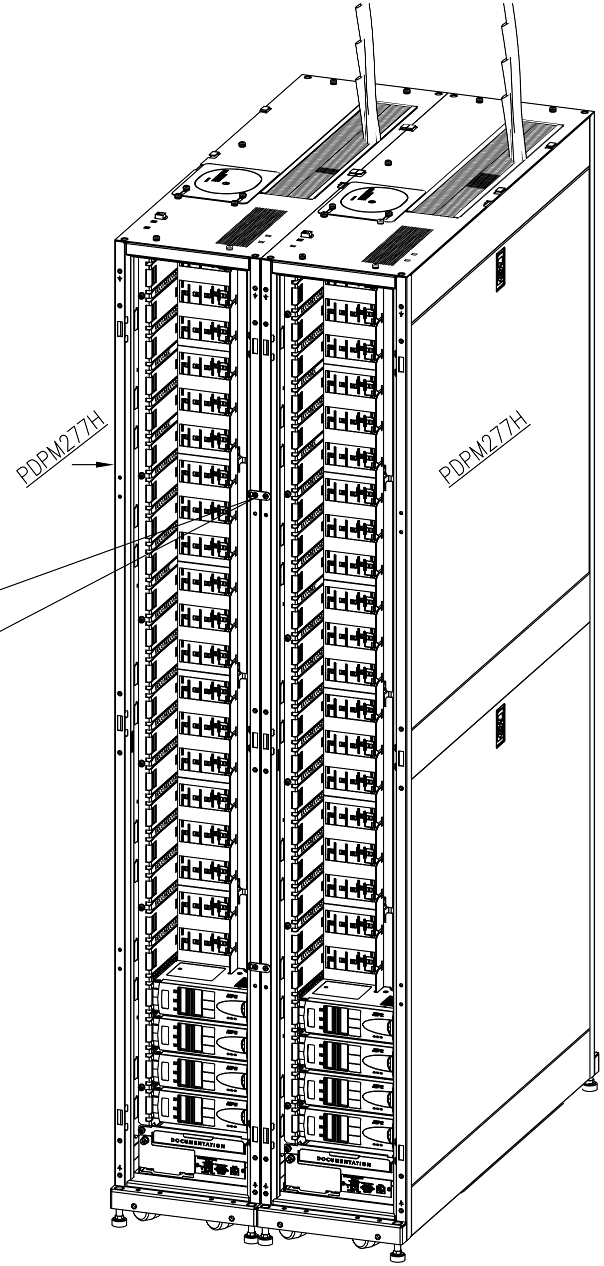
BAYING DIMETRIC VIEW
(WITH OFFSET BAYING BRACKET)



OFFSET BAYING BRACKET
(4 PLACES– 2 IN FRONT AND 2 IN REAR OF UNITS)



FLAT BAYING BRACKET
(4 PLACES– 2 IN FRONT AND 2 IN REAR OF UNITS)



BAYING DIMETRIC VIEW
(WITH FLAT BAYING BRACKET)

NOTES:
1. INSTALLATION MUST COMPLY WITH NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO APC PRODUCT MANUALS FOR DETAILS.

Schneider Electric

TITLE: ISX MODULAR DISTRIBUTION UNIT Input: 400A, 3PH–400V Output: 277kW, 400A, 400/230V 72 POLE BAYING DETAILS	DWG NO: PDPM277H–BA			REV. 0
	DRAWN:	BALAMURUGAN	13–AUG–08	ANGLE OF PROJECTION
	ENGINEER:	S.LEE	29–AUG–08	
PROJECT: SUBMITTAL DRAWINGS — SHEET 7 OF 7	APPROVED:	C.LARSEN/S.WAGH	29–AUG–08	N.A